

Substitute for Form 1449 A & B/PTO <p style="text-align: center;"><u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u></p> <p style="text-align: center;">(use as many sheets as necessary)</p>				<p style="text-align: center;"><i>Complete if Known</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>National Stage Entry of PCT/JP 03 02673</td> </tr> <tr> <td>Confirmation Number</td> <td>Not Yet Assigned</td> </tr> <tr> <td>Filing Date</td> <td>September 3, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Susumu KAYAMA</td> </tr> <tr> <td>Art Unit</td> <td>Not yet assigned</td> </tr> <tr> <td>Examiner Name</td> <td>Not yet assigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>P68919</td> </tr> </table>		Application Number	National Stage Entry of PCT/JP 03 02673	Confirmation Number	Not Yet Assigned	Filing Date	September 3, 2004	First Named Inventor	Susumu KAYAMA	Art Unit	Not yet assigned	Examiner Name	Not yet assigned	Attorney Docket Number	P68919
Application Number	National Stage Entry of PCT/JP 03 02673																		
Confirmation Number	Not Yet Assigned																		
Filing Date	September 3, 2004																		
First Named Inventor	Susumu KAYAMA																		
Art Unit	Not yet assigned																		
Examiner Name	Not yet assigned																		
Attorney Docket Number	P68919																		
Sheet	1	of	1																

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
TV		US 5,698,177	A	12/16/1997	UNIVERSITY OF CINCINATI
TV		US 2002-0131929	A1	09/19/2002	TANAKA ET AL
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁴
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
TV		JP	2001-151509	A	6/5/2001	TOHO TITANIUM CO., LTD.	Abstract
TV		JP	2001-39704	A	2/13/2001	ISHIHARA SANGYO KAISHA, LTD.	Abstract
TV		WO	01/23305	A1	4/5/2001	SHOWA DENKO K.K.	Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature	/Timothy Vanoy/	Date Considered	07/18/2006
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/506,547
		Confirmation Number	1319
		Filing Date	September 03, 2004
		First Named Inventor	SUSUMU KAYAMA
		Art Unit	1773
		Examiner Name	Not Yet Assigned
Sheet	1	of	1
		Attorney Docket Number	Q68919

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ³ (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

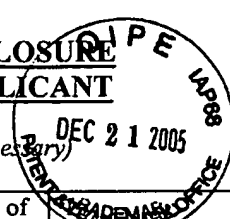
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ <i>(if known)</i>			
TV		JP	10-255863	A	9/25/1998		Abstract
TV		JP	2000-340269	A	12/8/2000		Abstract
TV		JP	6-340423-A	A	12/13/1994		Abstract
TV		JP	7-316536	A	12/5/1995		Abstract
TV		JP	3-252315	A	11/11/1991		Abstract
TV		JP	10-251021	A	9/22/1998		Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
TV		A. FUJISHIMA, et al. "Hikari Kuriin Kakumei", CMC Publishing Co., Ltd. pp 143-145, 1997	
TV		K. HASHIMOTO, et al., "Sanka Chitan Hikari shokubai no subete", CMC Publishing Co., pp. 29-31, 1998	
TV		M. GRAEZEL, "A low-cost, high efficiency solar cell based on dye-sensitized colloidal TiO ₂ films", Nature, vol. 353, pp. 737-740, 1991	
		M. SEINO, "Titanium Oxide", Gihodo Co., p. 129, 1991	
TV		S. SAITO, "Ultrafine Particle Handbook", Fujitec Corporation p. 388, 1990	

Examiner Signature	/Timothy Vanoy/	Date Considered	07/18/2006
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			<i>Complete if Known</i>	
			Application Number	10/506,547
			Confirmation Number	1319
			Filing Date	September 03, 2004
			First Named Inventor	SUSUMU KAYAMA
			Art Unit	1773
			Examiner Name	not yet assigned
Sheet	1	of	Attorney Docket Number	Q68919

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ <i>(if known)</i>			
TV		JP	10-255863	A	9/25/1998		Abstract
TV		JP	2000-340269	A	12/8/2000		Abstract
TV		JP	6-340423-A	A	12/13/1994		Abstract
TV		JP	7-316536	A	12/5/1995		Abstract
TV		JP	3-252315	A	11/11/1991		Abstract
TV		JP	10-251021	A	9/22/1998		Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
TV		A. FUJISHIMA, et al. "Hikari Kuriin Kakumei", CMC Publishing Co., Ltd. pp 143-145, 1997	
TV		K. HASHIMOTO, et al., "Sanka Chitan Hikari shokubai no subete", CMC Publishing Co., pp. 29-31, 1998	
TV		M. GRAEZEL, "A low-cost, high efficiency solar cell based on dye-sensitized colloidal TiO ₂ films", Nature, vol. 353, pp. 737-740, 1991	
TV		M. KIYONO, "Titanium Oxide", Gihodo Co., p. 129, 1991	
TV		S. SAITO, "Ultrafine Particle Handbook", Fujitec Corporation p. 388, 1990	

Examiner Signature	/Timothy Vanoy/	Date Considered	07/18/2006
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.